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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,949	11/19/2003	Patrik Grundstrom	P17514-US2 7278	
27045 ERICSSON IN	7590 12/05/200	7	EXAMINER	
6300 LEGACY	DRIVE	LEE, Y YOUNG		
M/S EVR 1-C- PLANO, TX 7:			ART UNIT	PAPER NUMBER
			2621	
			MAIL DATE	DELIVERY MODE
			12/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No		Applicant(s)				
	10/716,949	·	GRUNDSTROM ET	AL.			
Office Action Summary	Examiner	-	Art Unit				
	Y. Lee		2621				
The MAILING DATE of this communication app Period for Reply	The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)⊠ Responsive to communication(s) filed on 19 N 2a)⊠ This action is FINAL . 2b)□ This 3)□ Since this application is in condition for alloware closed in accordance with the practice under E	action is non-fi nce except for fo	ormal matters, pro		merits is			
Disposition of Claims							
4) ⊠ Claim(s) <u>1-7,9-22,24-34 and 36-38</u> is/are pend 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☒ Claim(s) <u>1-7,9-22,24-34 and 36-38</u> is/are rejection of the company of the	wn from conside	eration.					
Application Papers							
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 10.	cepted or b) o o drawing(s) be he ction is required if	d in abeyance. See he drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFF				
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) [5) [6) [=	ite				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 3. Claims 1-7, 9-17, 19-22, 24-34, and 36-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Purcell et al (5,598,514) in view of Miller et al (6,847,365).

Purcell et al, in Figures 1, 2, 5, 6, and 16-18, discloses a structure and method for a multi-standard video encoder/decoder that is substantially the same device and method for processing video data as specified in claims 1-7, 9-17, 19-22, 24-34, and 36-38 of the present invention, the method comprising receiving a block of current video data in a first format 201; encoding the block of current video data using data stored in a

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second format 204; storing new data in the second format 205; and storing the encoded video data 103.

With respect to claims 2-7, 9-17, 19-22, 24-34, and 36-38, Purcell et al also discloses the stored data contains image data from a previous flame (Fig. 17); the block of current video data in the first format is a portion of a current flame (e.g. intra-frame); the stored data in the second format is a portion of a previously coded frame (e.g. interframe); the second format comprises reduced chrominance information 204 as compared to the first format; the first format and the second format comprises interleaved chrominance and luminance data (Fig. 6); each block of a video frame comprises a predefined grouping of pixels (Fig. 16); encoding the block of the current video frame comprises compressing the block of the current video frame (e.g. MPEG) by comparing the block of the current video frame to a corresponding block of another video frame; comparing the block of the current video frame to a corresponding block of another video frame is preceded by retrieving the corresponding block of the other video frame in the second format 204; transferring the new data in the second format to a memory location 103; and storing the new data for encoding of a corresponding block of a subsequent video frame (Fig. 18); storing the encoded video data in a third format in a buffer (e.g. DRAM); and transferring the buffered data to a memory location 103 on completion of encoding the block; transferring a portion of the block of video data from the buffer to the memory 103 location if the buffer is full prior to encoding the entire block of video data; encoding the block of current video data 111 using the data stored in the second format is preceded by converting a block of a data in the first format to the

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second format 204; and the block of current video data comprises a micro-block line of video data (e.g. tiles of MB).

Although Purcell et al discloses the common MPEG format comprises chrominance and luminance data in an interleaved YCbCr 4:2:0 format (e.g. Background), it is noted Purcell et al differs from the present invention in that it fails to particularly disclose storing the data in such a format. Miller et al however, in Figure 3, illustrates the concept of such well known architecture wherein such common MPEG data format is stored in a memory.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, having both the references of Purcell et al and Miller et al before him/her, to incorporate the well known storage architecture as taught by Miller et al in the memory device 205 of Purcell et al in order to efficiently process multimedia data.

4. Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Purcell et al in view of Miller et al for the same reasons as set forth in Section 11 of the last office action, dated 7/31/07.

Although Figure 1 of Purcell et al illustrates the process of transmitting encoded block of the current video frame over a communications link, it is noted both Purcell et al and Miller et al differ from the present invention in that they fail to particularly disclose a wireless communications link as specified in claim 18. However, Examiner takes Official Notice that wireless communication is notoriously well known in the art.

Therefore, one of ordinary skill in the art would have had no difficulty in recognizing that

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the communications device of Purcell et al can be flexibly and easily upgraded into a wireless device in order to efficiently transmit video data.

Response to Arguments

5. Applicant's arguments with respect to claims 1-7, 9-22, 24-34, and 36-38 have been considered but are most in view of the new ground(s) of rejection.

Applicant asserts on page 9 of the Remarks that claim 29 is canceled. However, it is noted claim 29 is still included in the Listing of Claims.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Y. Lee whose telephone number is (571) 272-7334.

The examiner can normally be reached on (571) 272-7334.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on (571) 272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Y. Lee

Primary Examiner
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